



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED

FORM OGC-3

JUL 01 2009

Mo Oil & Gas Council

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN		<input type="checkbox"/> PLUG BACK		<input type="checkbox"/> FOR AN OIL WELL		<input type="checkbox"/> OR GAS WELL	
NAME OF COMPANY OR OPERATOR OSBORN ENERGY, LLC						DATE			
ADDRESS 24850 FARLEY				CITY BUCYRUS		STATE KS		ZIP CODE 66013	
DESCRIPTION OF WELL AND LEASE									
NAME OF LEASE Bagby				WELL NUMBER 2-32A		ELEVATION (GROUND) 881			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1575 ft. from <input checked="" type="checkbox"/> North <input type="checkbox"/> South section line 282 ft. from <input type="checkbox"/> East <input checked="" type="checkbox"/> West section line									
WELL LOCATION Sec. 32 Township 42 North Range 32 <input type="checkbox"/> East <input checked="" type="checkbox"/> West				LATITUDE		LONGITUDE		COUNTY Bates	
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 401 FEET									
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 50 FEET									
PROPOSED DEPTH 320		DRILLING CONTRACTOR, NAME AND ADDRESS OSBORN ENERGY, LLC BUCYRUS, KS				ROTARY OR CABLE TOOLS		APPROX. DATE WORK WILL START 7/1/2009	
NUMBER OF ACRES IN LEASE 938.15		NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 4 NUMBER OF ABANDONED WELLS ON LEASE 1							
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME ADDRESS						NO. OF WELLS PRODUCING 0 INJECTION 0 INACTIVE 0 ABANDONED 1			
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 300000.00		<input type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED			
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)									
PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST					
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT		
20'	7"		Portland					OK	
320	2 7/8"		Portland						
I, the Undersigned, state that I am the agent of the Osborn Energy, LLC (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.									
SIGNATURE Curtis Hansen						DATE 6/30/09			
PERMIT NUMBER 20384				<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input type="checkbox"/> SAMPLES REQUIRED <input checked="" type="checkbox"/> SAMPLES NOT REQUIRED <input type="checkbox"/> WATER SAMPLES REQUIRED AT					
APPROVED DATE 7-9-09				<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN					
APPROVED BY Joseph A. Miller									
NOTE THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.									
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE									
I, _____ of the _____ (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.									
DRILLER'S SIGNATURE						DATE			

Main City Quad

ENTERED JUL 14 2009

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FORM OGC-4

JUL 01 2009



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**WELL LOCATION PLAT**

Mo Oil & Gas Council

OWNER'S NAME

OSBORN ENERGY, LLC

LEASE NAME

Bagby 2-32A

COUNTY

Bates

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

1575 ft. from ☒ North ☐ South from section line 282 ft. from ☐ East ☒ West from section line

WELL LOCATION

Sec. 32 Township 42 North Range 32 ☐ East ☒ West

LATITUDE

LONGITUDE



Old location of  
Bagby 2-32

SECTION  
LINE

LEASE  
LINE

X BAGBY 2-32A  
BAGBY 2-32  
1596 FNL  
261 FWL

CTR  
SEC. 32

STEINS 1  
1962 FSL  
651 FEL

STEINS 2  
1243 FSL  
165 FEL

BAGBY 1-3  
1961 FSL  
240 FEL

SECTION  
LINE

new location  
2-32

REMARKS

## INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 60-2.030 for survey requirements. Lease lines must be marked.

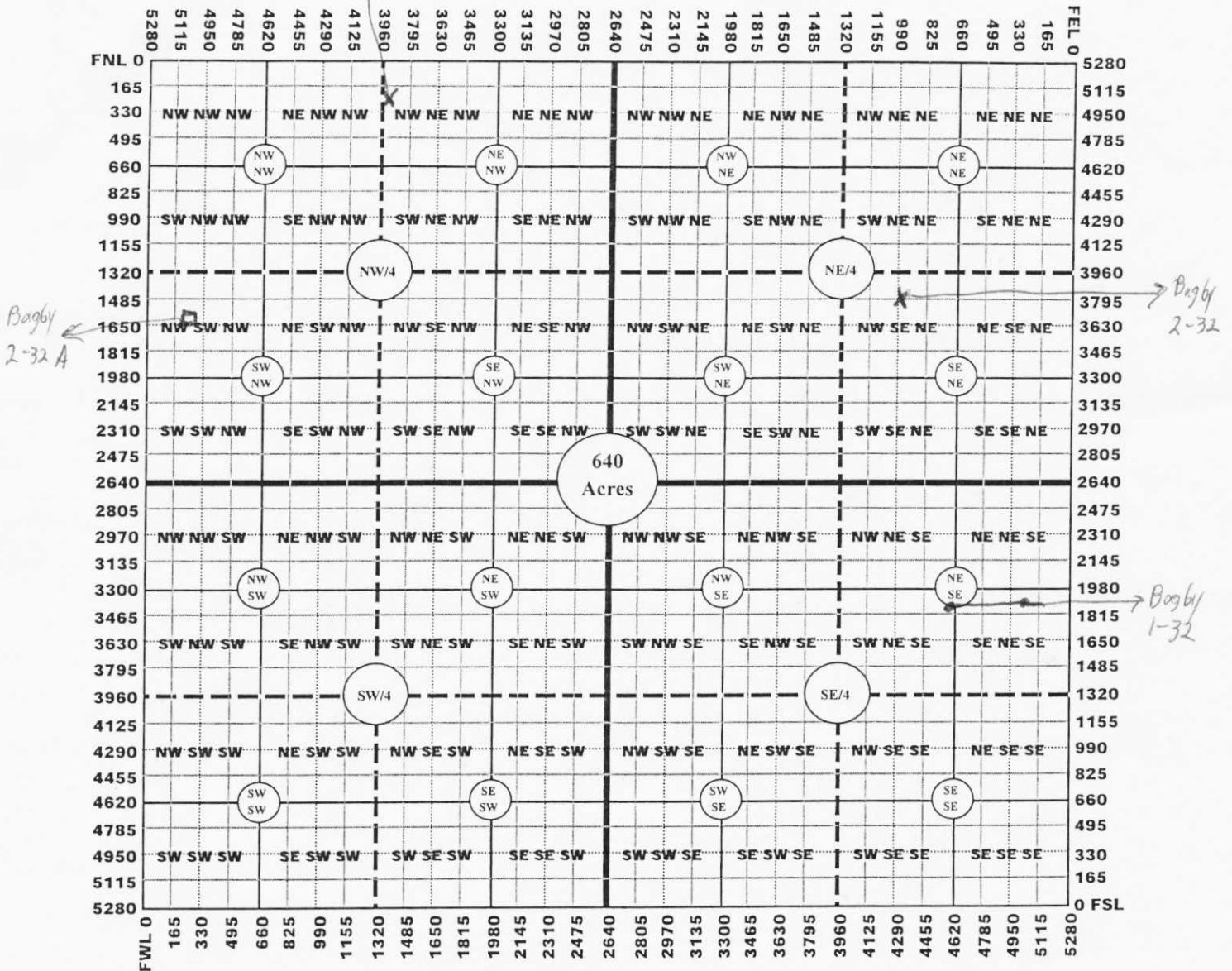
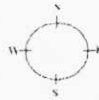
This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 60-2.030 and that the results are correctly shown on the above plat.

REGISTERED LAND SURVEY

NUMBER

Ogden  
Bagby Sec 32

Bagby  
3-32





24850 Farley, Bucyrus, KS 66013 • Ph: 913-533-9900 • Fax: 913-533-9955

## facsimile transmittal

To: **Jeff Jaquess** Fax: **573-368-2111**  
From: **Curstin Hamblin- Osborn Energy, LLC** Date: **6/30/2009**  
Re: **1 new application for permit** Pages: **3**  
Cc:

☐ Urgent ☐ For review ☐ Please comment ☐ Please reply ☐ Please recycle

Jeff,

Osborn Energy, LLC is requesting a permit for Bagby 2-32A.

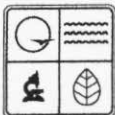
If you have questions, please call me at the office 913-533-9900 or on my cell 913-526-2633  
Thank you,

Curstin Hamblin  
Osborn Energy, LLC  
913-533-9900

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STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**PLUGGING RECORD**



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FORM OGC-7

Released 8-21-2010

AUG 21 2009

OWNER'S NAME <b>Osborn Energy, LLC</b>		ADDRESS <b>24850 Farley Bucyrus, KS 66013</b>	
NAME OF LEASE <b>Bagby</b>		WELL NUMBER <b>2-32A</b>	PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER) <b>20384</b>
LOCATION OF WELL SEC TWN RNG OR BLOCK AND SURVEY <b>Sec. 32 Township 42 North Range 32 <input type="checkbox"/> East <input checked="" type="checkbox"/> West</b>		LATITUDE	COUNTY <b>Bates</b>
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: <b>Osborn Energy, LLC</b>		HAS THIS WELL EVER PRODUCED OIL OR GAS? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBL/DAY) <b>0</b> GAS (MCF/DAY) <b>0</b> DRY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
DATE OF ABANDONMENT <b>8/12/2009</b>	TOTAL DEPTH <b>277.6</b>	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBL/DAY) GAS (MCF/DAY)	WATER (BBL/DAY)

Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment	Fluid content of each formation	Depth interval of each formation	Size, kind, and depth of plugs used, giving amount of cement.
			Cemented <u>59</u> Sx, top to bottom

SIZE PIPE	PUT IN WELL (FT)	PULLED OUT (FT)	LEFT IN WELL (FT)	GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.)	PACKERS AND SHOES
2 7/8"	277'	277'	0	NA	

WAS WELL FILLED WITH MUD-LADEN FLUID? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	INDICATE DEEPEST FORMATION CONTAINING FRESH WATER <b>BKC</b>
--	---

NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE		
NAME	ADDRESS	DIRECTION FROM THIS WELL

METHOD OF DISPOSAL OF MUD PIT CONTENTS	Drilled with Air, no mud
--	--------------------------

NOTE	FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)
------	--

**CERTIFICATE** I, the undersigned, state that I am the Geologist of the OGC (Company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

SIGNATURE <u>Curtis Humber</u>	DATE <u>8-19-09</u>
-----------------------------------	------------------------

## DETAIL OF FORMATIONS PENETRATED

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * BELOW)
			<p>See Geo Report</p> <p>RECEIVED</p> <p>AUG 21 2009</p> <p>Mo Oil &amp; Gas Council</p>

<b>NOTE</b>	* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open flowing and shut-in pressures, and recoveries.
<b>INSTRUCTIONS</b>	Attach drillers log or other acceptable log of well if available. This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.

MO 780-0217 (6-06)

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**CONSOLIDATED**  
**Oil Well Services, LLC**

**PO Box 884, Chanute, KS 66720**  
**620-431-9210 or 800-467-8676**

TICKET NUMBER 20157  
LOCATION Ottawa KS  
FOREMAN Fred Mader

Mo Oil & Gas Council FOR  
FIELD TICKET & TREATMENT REPORT  
CEMENT

Misgouri

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/12/09	6073	Bagby # 2-32A	NE 1/4 32	42	32	Bates
CUSTOMER						
Osbarn Energy LLC						
MAILING ADDRESS						
24850 Farley						
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
Bucyrus	KS	66013	506	Fred		
			<del>508</del> 495	Casey		
			503	Arlen		

JOB TYPE <u>Plug</u>	HOLE SIZE <u>6 7/8</u>	HOLE DEPTH <u>277'</u>	CASING SIZE & WEIGHT <u>N/A</u>
CASING DEPTH <u>N/A</u>	DRILL PIPE	TUBING <u>2 1/8"</u>	OTHER <u>Hole</u>
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>Full</u>
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE <u>43 bpm</u>

REMARKS: Establish circulation thro 2 7/8" Tubing. Mix & Pump  
49 SKS 50/50 Poz Mix Cement 620 Premium Gel. Fill to  
Surface. Put 2 7/8" Tubing Top off well w/ 10 SKS  
Cement. 59 SKS Total. Wash tubing.

Customer Supplied H<sub>2</sub>O

Fuel Mode

[illegible]

Ravin 3737

### AUTHORIZATION

**TITLE**

DATE \_\_\_\_\_

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Released 8-21-2010

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Geological Report

Mo Oil & Gas Council

**Bagby # 2-32A**

1575 FNL, 282 FWL

**Section:** 32-T42-R32W

Bates County, Missouri

**Permit#:** 20384

**Elevation:** 881' GL

**Drilling Contractor:** Osborn Energy, L.L.C (Lic. # 32294)

**Spud:** 6/30/2009

**Production Bore Hole:** 6 1/4"

**Rotary Total Depth:** 277.6 on 7/1/2009

**Drilling Fluid:** air

**Surface Csg.:** 7" set @ 21' in a 9 1/4" hole with 3 sx

**Production Csg.:** 2 7/8" set at 277, cemented with 59 sx

**Geologist:** Curstin Hamblin

**Driller:** Brian Schwab

<u>Formation</u>	<u>Driller Log Tops</u>	<u>Datum</u>
Stark Shale	None	
Hushpuckney Shale	None	
Base Kansas City	None	
Knobtown Sand	None	
Carbonaceous Zone in Tacket Fm.	None	
"Big Lake" Sand	None	
South Mound Zone	None	
Hepler (Wayside) Sand	None	
"Upper" Mulberry Zone	None	
Mulberry Zone	None	
Myrick Station	117-119	764
Lexington Zone	120-123	761
Summit	None	
Mulky	None	
Squirrel	188	693
Bevier	277	604

Rotary Total Depth 277.6'

Drilling at 41' in the Kansas City on 7/1/2009 at 6:45am  
Background Gas (BG) 24.9 units

41-50: SS: lt grey/green, some tan, friable, medium grained

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51-60: SS: lt grey, friable, medium grained, shale like matrix-no oil  
 61-70: SS: lt grey, friable, medium grained, shale like matrix  
 69-70: dk grey shale  
 71-80: SH: grey, gummy, LS: tan  
 81-90: LS: pink, SH: grey, gummy, some dk grey  
 82: dk grey shale  
 91-100: LS: cream/pinkish, calcitic fossils, SH: some grey, gummy  
 101-110: Siltstone: grey, gummy, some pyrite  
 111-120: LS: brown, angular, SH: some black, some grey

**LEXINGTON FORMATION** Geologist called @120-123', gas kick of 1700 units over BG  
**\*\*GAS TEST @140', 35 MCF Total\*\***

**Making water, drilling with water**

121-130: SH: dk grey, SS: grey/tan, medium grained, firm, slight break out oil, slight oil odor in samples  
 121: gas kick of 1700 units  
 121-122: SH: dk grey, no gas in samples  
 131-140: SH: dk grey, sandy, SS: grey, medium grained, several crinoid stems  
 141-150: SH: grey/green, gummy/silty, some LS: grey, slight black oil on samples  
 BG running at 344 units  
 151-160: SH: grey, gummy, silty, slight oil on samples  
 CG at 1672  
 161-170: SS: grey, gummy in places, silty in places, banded w/black in places  
 164: SH: dk grey, some black, some banded  
 171-180: SS: small to medium grained, soft, very little break out oil, some oil in the pit

**SQUIRREL SAND** Geologist called at 188'

181-190: SS: grey, tan, small to medium grained, soft  
 188-190: SS: tan, firm, friable, bleeding small amount of oil, no breakout oil  
 191-200: SS: lt grey, medium grained, very firm, very little break out oil  
 201-210: SS: tan, medium grained, SH: grey, silty  
 201-204: SS, firm, no breakout oil  
 205-210: SH  
 211-220: SH: grey, silty, SS: dk grey: small grained, soft, SS: lt grey, medium grained, firm, slight oil stain on samples, slight breakout oil  
 221-230: SS: dk grey, small grained, very soft, fair amount of black oil on samples, and in samples, oil in pit  
 231-240: SS: grey, medium grained, lots of oil in sample, on samples, and in pit

This hole is bleeding a lot more oil compared to the Bagby 2-32. We are going to start coring

**1<sup>st</sup> Core: 240.6-253.3**

240.6-241.6: SS: firm, fine grained, no oil  
 241.6-242.6: SS: firm, fine grained, no oil  
 242.6-243.6: SS: shaley, packed together, bleeding oil-small amount  
 243.6-244.6: SS: dirty, shaley matrix, bleeding oil-this is the heaviest bleeding in the core  
 244.6-245.6: SS: friable, fine grained, oil stained, looks like wet beach sand  
 245.6-246: SS: friable, fine grained, oil stained, looks like wet beach sand  
 246-246.6: SS: packed, clean, bleeding, slightly laminated-not bleeding a lot  
 246.6-247.6: SS: packed, clean, bleeding slightly laminated-not bleeding a lot  
 247.6-248.6: SS: packed, clean, bleeding slightly laminated-not bleeding a lot

248.6-249: SS: packed, clean, bleeding slightly laminated-not bleeding a lot  
249-249.6: SS: looks like wet beach sand, some oil  
249.6-250.6: SS: friable, very packed, little oil  
250.6-251.6: SS: friable, very packed, little oil  
251.6-252.6: SS: friable, very packed, little oil  
252.6-253.3: SS: friable, very packed, little oil

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Washed the Core and took the following notes

243.6-245.6: good oil return after wash  
245.6-249: very little oil return  
250.6-252.6: some banded/laminated oil in the packed sand

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**2<sup>nd</sup> Core: 254.6-277.6**

254.6-259.6: SS: packed together, laminated, very little oil show  
259.6-260: SS: packed, laminated with dark grey ss, little to no oil  
260-263: SS: not as packed, friable, fine grained, little oil  
263-264: SS: backed, friable, fine grained, little to no oil  
264-264.3: SH: grey-packed  
264.3-273: SS: packed, fine grained, laminated, some dk grey, little to no oil  
273-273.3: Conglomerate of shale, and sand, nodules  
273.3-274: Limey shale  
274-276.6: Shale  
276.6-277.6: Coal

**BEVIER FORMATION** Geologist called at 277'

Started to pack the core and I took the following notes

254.6-255.6: there was a poor/fair amount of oil show only on the bottom of the core. It looked laminated.  
255.6-256.6: there was poor oil show on the bottom of the core  
258-259: some oil show on the bottom of the core

Stopped coring at 5:00pm on 7/1/2009

**Total Rotary Depth,** 277.6 on 7/1/2009

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Mo Oil & Gas Council

8/19/2009

Geological Survey Program  
P.O. Box 250  
Rolla, MO 65402

Dear Commissioners,

Osborn Energy, LLC, having its principal place of business at 24850 Farley, Bucyrus, KS 66013 is requesting that the Geological Survey Program keep all information for the following well confidential for the maximum amount of time allowed.

LEASE NAME: Bagby WELL #: 2-32A  
Permit #: 20384

Sec	Tw	Rng
<u>32</u>	<u>42</u>	<u>32W</u>
_____	_____	_____

Sincerely,

*Curstin Hamblin*

Curstin Hamblin  
Geologist  
Osborn Energy, LLC.